OPERATION MANUAL OF
A REFRIGERATED DISPLAY UNITS
GEORGIA AND GEORGIA III

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User guide of refrigerated showcases GEORGIA and GEORGIA III

1) General Information

Please, read these instructions carefully. Instructions explain how to correctly and safely position, install, use and maintain the display case.
Keep these instructions in a safe and accessible place for all users.
Showcase must be installed and started up in compliance with the manufacturer's instructions and in accordance with local applicable safety regulations. If there is a failure of the cabinet or cabinet equipment, or the cabinet is not functioning properly, verify that this does not cause hazard to people or property. If necessary, disconnect the device from the mains and contact the nearest service company.
All users of the cabinet must be informed about how to properly and safely use the device.

2) Prohibited use

Using the cabinet in any other way then specified in this manual is prohibited. In the display case may be stored only the products specified in this manual or in the brochure for this cabinet. The manufacturer is not liable for incidents or damages resulting from improper manipulation or using the cabinet in contravention of these instructions, or with disregard for the warnings in these instructions or without following these instructions, eventually for damages caused by use for purposes other than those for which the device is designed and constructed.

3) Intended use

Refrigerated cases GEORGIA and GEORGIA III are designed for presentation and sale of confectionery and bakery products at the recommended temperature conditions.
Warning: Showcases are not intended for cooling-down of displayed goods, but to maintain the temperature of properly chilled goods.

4) Types and versions

The display cabinet **GEORGIA** is available in two lengths: 1000 and 1500 mm with a temperature range **+4/+8 ℃ as for cold version** and **+30/+90 ℃ as for hot version** .
The showcases are produced in the following versions:
• **Refrigerated version** is designed for ambient temperature up to +25 ℃ a t ambient humidity of 60% R.H. It is supplied in the following colours: gold, grey, stainless steel.
• **Neutral version** is without the aggregate and is supplied in the following colours: gold, grey, stainless steel.
• **Hot version** is produced in stainless steel only.
Showcase GEORGIA has a single glass, is designed for ambient temperature up to +25 ℃ / 60% R.H.

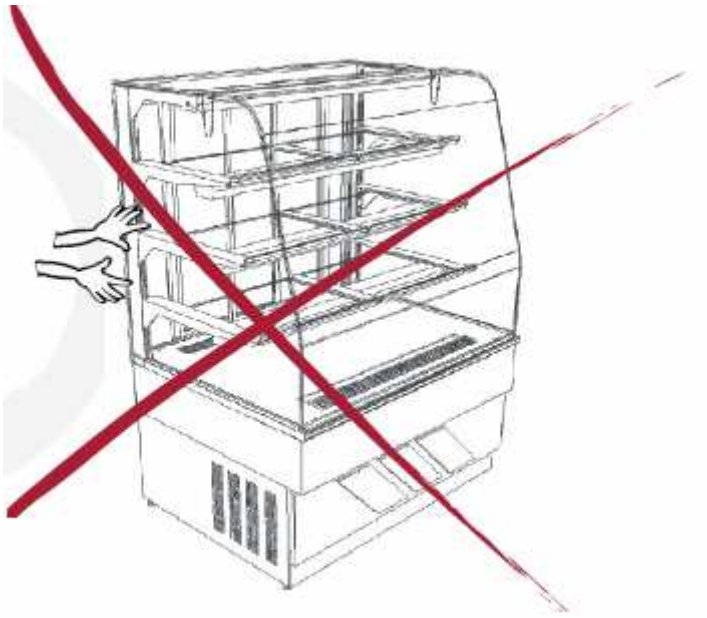
The display cabinet **GEORGIA III** is available in two lengths: 1000 and 1500 mm with a temperature range **+4 / +8 ℃ as for cold version, -18 / -20 ℃ as for freezing version** and **+30 / +90 ℃ as for hot version.**
The showcases are produced in the following versions::
• **Refrigerated version** is designed for ambient temperature up to +25 ℃ a t ambient humidity of 60% R.H. It is supplied in the following colours: gold, grey, stainless steel.
Performance – serve over, self-service, combined-(1/2 serve over + 2/2 self-service)
• **Freezing version - Ice-cream** is designed for ambient temperature up to +25 ℃ a t ambient humidity of 60% R.H. It is supplied in the following colours: gold, grey, stainless steel. It is produced only in length 1000 mm.
• **The neutral version** is without the aggregate and is supplied in the following colours: gold, grey, stainless
• **Hot version** is produced in the following colours: gold, grey, stainless steel.
Showcase GEORGIA III has double glass, is designed for ambient temperature up to +25 ℃/60%R.H.

The showcase is equipped with 3 shelves, each shelf is provided with lightening (fluorescent tube). The case is equipped with a lightening switch (see section 6. Meaning of operating elements). The lights heat the cabinets when switched on. Normally this does not have any adverse effect but we recommend that the lightening is turned off when it is not needed.
The showcases can be placed next to each other and create sales lines (GEORGIA III series also includes other neutral units, which is Georgia III corner 45° and Georgia III cash desk).

5) Packaging, transport

The device is protected against potential damage during transportation as follows:
-is based on a special pallet (possibility of loading by pallet truck)
-side and upper parts are protected by limited crating (shuttering plates) + wrapping foil, paper
Transport or move the cabinet to its destination in the original package!

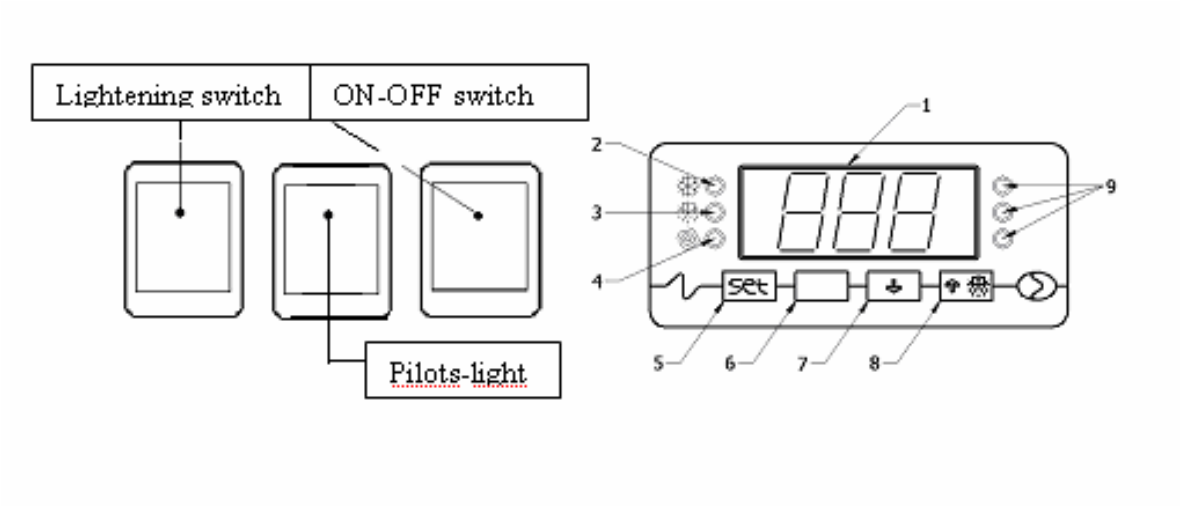
During transportation of the showcase, its establishment, or during other manipulation ***it is forbidden to operate power on the ramps of the showcase - see picture.***



6) Meaning of operating elements

The panel with operating elements is placed in the lower right side of the showcase - a view from the service side.
Description of operating elements - see picture No. 1.

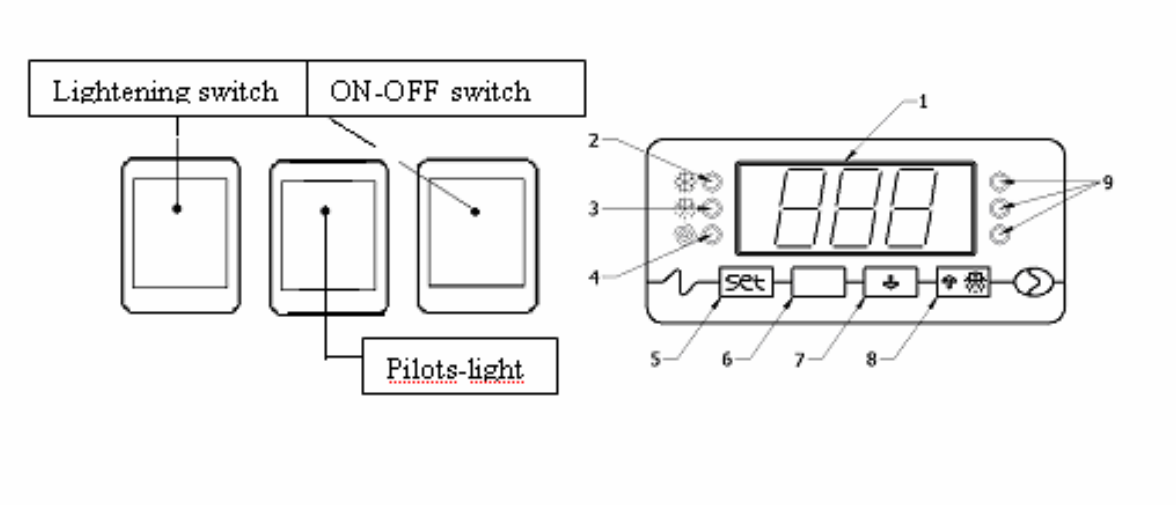
Panel of operating elements:
a) white button – lightening switch
b) green pilot-light – network controller
c) orange button – ON / OFF switch (main switch)
d) electronic control unit



7) Description of manipulation with controls

When connect the case to electric power – the green pilot light switches on. To start up the unit press orange ON-OFF button. The showcases start to cool according to pre-set temperature in the electronic control unit. To switch on the lightening of the case – please press the white button.

CONTROL PANEL



Description of the control unit:
1. display
2. pilot-light of cooling
3. pilot-light of defrosting
4. pilot-light of evaporator fan
5. setting button
6. dummy - no function
7. button to set a lower value
8. button to set higher values and manually start the defrosting
9. dummy - no function

In standby mode the control unit displays the current temperature of the cooling area.
During defrosting, the measured temperature get blocked (remains the same).
After the completion, the measuring of the temperature goes back to normal mode.

Control the set temperature of the cooling area

Press the button set the value is displayed on the display for about 15 seconds.

Change the set temperature of the cooling area

To increase the temperature: Press and release the button set the set temperature will display and press the button to set the desired value and then press and release the button set .

To reduce the temperature: Press and release the button set the set temperature will display and press the button to set the desired value and then press and release the button set .

Evaporator defrosting

The evaporator defrosting is made automatic in times interval

Manual defrost activation

Hold the button for 4 seconds. If after this time the pilot-light of defrosting lights up, defrost is activated. Defrost will not start if there is not sufficient minimum temperature on the evaporator.

Temperature alarm:

The control unit measures the time during which there is too high or too low temperature in a cooling area.
If this period exceeds the limit, it will alert you to the fact by flashing symbol **AL** (low temperature) or **AH** (high temperature). Wants to cancel the alarm, turn off the device from the power.

Other alarms

symbol	type of failure	correction	influence on device
PR1	Sensor failure of temperature in cooling area	Turn off and turn on the device. If the alarm remains on, call a service company.	Cooling will be switched on and off at regular intervals.
PR2	Sensor failure of evaporator temperature	Turn off and turn on the device. If the alarm remains on, call a service company.	Cooling will be switched on and off at regular intervals.

Except of changing the required temperature and manual defrosting it is strictly prohibited to operate with electronic control unit. The manipulation with electronic control unit can be carried out only by the service office.

8) Power supply

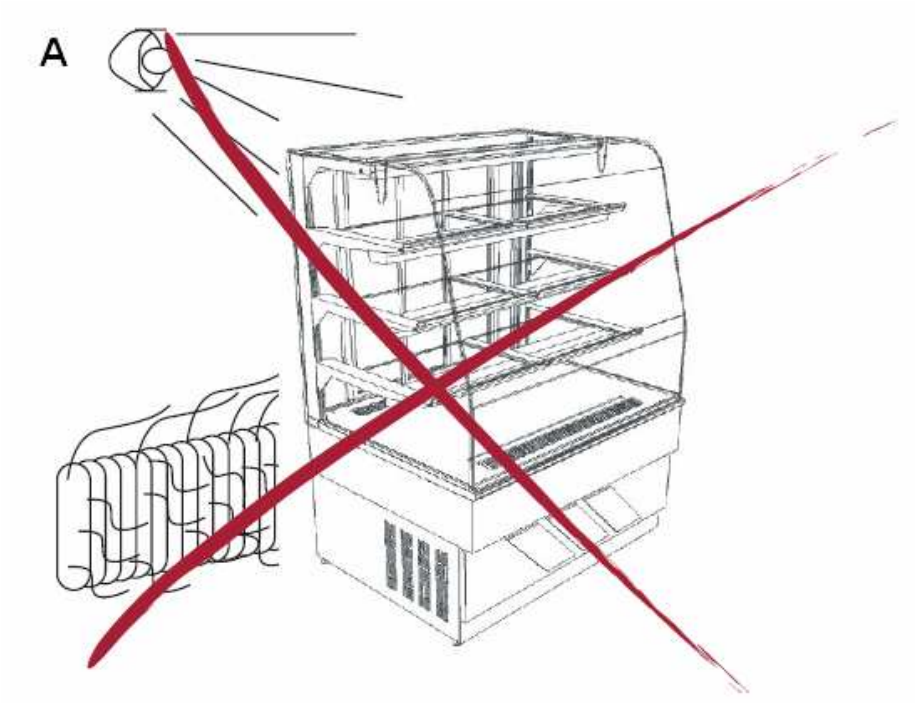
Showcases are designed for single-phase Voltage - 230V/50 Hz. The socket-outlet must be earthed and protected by 10A or 16A slow fuse. Other appliance may not be connected to the same fuse.

9) Location

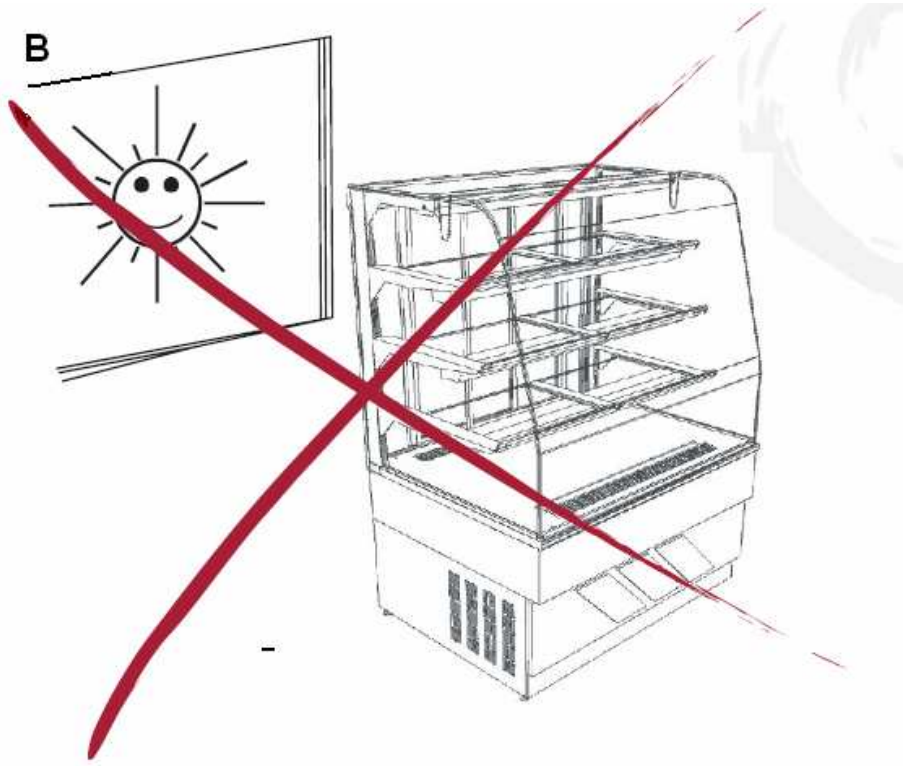
Adjust the case to stand perpendicular using the adjustable feet.

Always make sure that showcase:

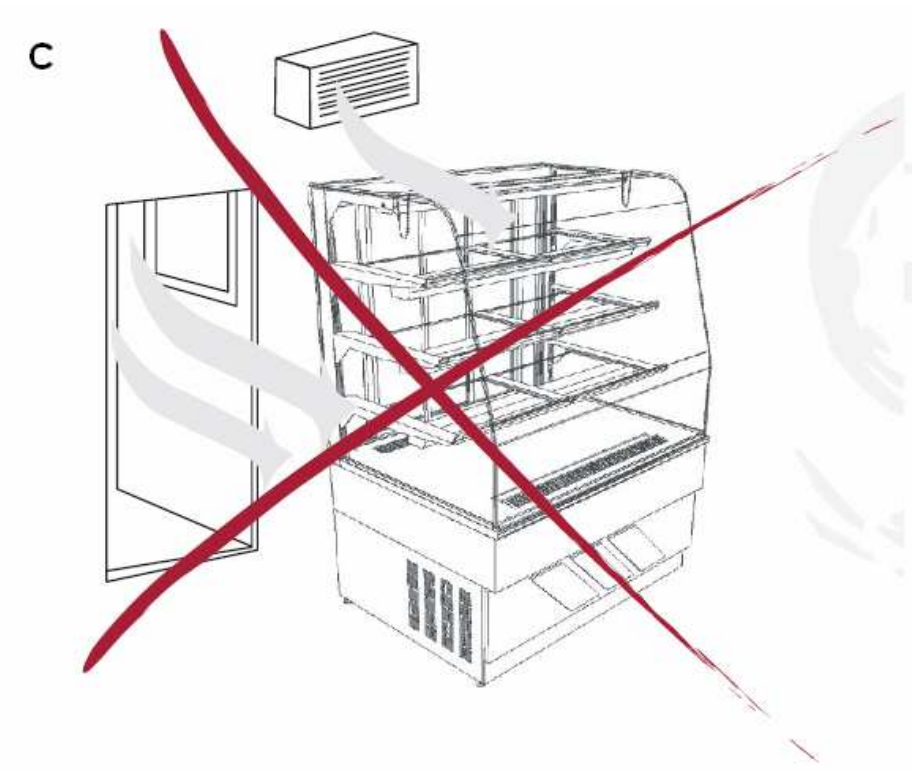
• is not located near sources of heat such as heating, point lighting - see picture A



• is not exposed to direct sunlight - see picture B



• is not placed in the proximity of air conditioning or the main entrance - see picture C



• is not surrounded by objects that would block inlet air or prevent ventilation (air exchange) in the aggregate area. Do not place any objects before/behind the ventilation holes - see picture D

Correct location is optimizing the temperature conditions, cooling performance and electrical power consumption and extends the life of the motor-compressor.

10) Cleaning before first use

After unpacking of the cabinet, clean the surfaces and storage compartment including the shelves for foodstuff with a cloth, water and mild liquid detergent. Follow the instructions provided with the detergent. Dry the surfaces of the case carefully using a dry cloth.

11) Operation and correct location of the goods

Connect the plug into an electrical outlet according to the section 8. Power supply. The case is preset in the factory to operate in standard ambient conditions (i.e. relative humidity 60%, and ambient temperature +25 ℃) so that the normal temperature in the cabinet is +4 ... +8 ℃. Switch on the cabinet by pressing the ON-OFF switch.
Leave the empty case in operation for at least one hour, or until the set temperature is reached. When the showcase is started, the evaporator will start cooling and the fans circulate the cooled air through the grid behind the bottom shelf up to the top of case. The cooled air is evenly distributed over all shelves in the case towards the front glass cover. Warm air is sucked through the front grid located at the bottom of the display area to the evaporator, where it is cooled for further circulation.
FRONT GRID AND BACK EXHAUST OPENINGS MUST BE ALWAYS KEPT UNOBSTRUCTED, SO AVOID PLACING GOODS OR SUBJECTS IN FRONT OF IT.
Also, the space between shelves and rear sliding doors must remain clear to avoid disrupting the airflow (i.e. no goods should exceed the edge of the shelves).
The cabinet is equipped with an automatic defrosting device (the electronic control unit ensures the regular evaporator defrosting every 6 hours in length of 30 minutes). Condensation water is drained out of the evaporator into the evaporating basin. Then the condensate evaporates into space thanks to hot air from aggregate and copper snake. This is done automatically.

When placing goods in the cabinet, follow these instruction:
• ensure that there is at least 10 mm space between the displayed products
• goods must not be placed on the front intake grid and the rear outlet grids
• goods must not exceed the edge of shelves
• maximum load of the shelf is 6kg – the shelf load capacity must be complied

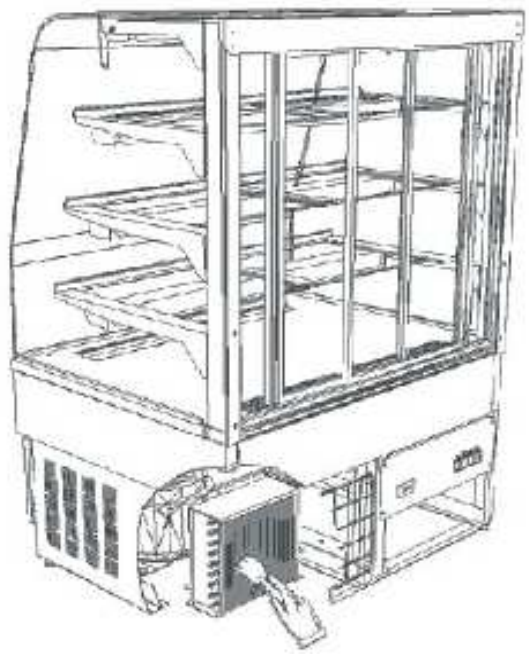
Improper placing of the goods will slow the air circulation and increase the temperature of the goods in the cabinet.

The showcase is not intended for cooling down the goods, but to maintain them at the temperature at which they are placed in the case for its presentation. The goods must be properly chilled in advance. Goods with a temperature higher than the temperature inside the cabinet, must not be placed into the cabinet.

After completion of the sale, switch off the cabinet with the main switch ON-OFF and remove all goods and store in the refrigerator (cold boxes). Do not leave any goods inside the showcase after ending of the sale.

12) Maintenance

For any maintenance and cleaning, the showcase must be disconnected from the source of electric power by pulling the plug from the socket. Risk of electric shock!
Regular maintenance extends the life-time of the showcase, prevent a disproportionate increase in electricity consumption.
Following maintenance procedure should be made at least 4 times per year, if not recommended otherwise:
• Disconnect the cabinet from the power supply
• Check the cord - it has to be in perfect condition, in case of any damage it must be replaced in accordance with safety regulations
• Empty the cabinet
• Allow the cabinet to reach the ambient temperature
• Remove the air inlet and outlet grid at the bottom display area, check there are no dirt (crumbs) in under, otherwise use a vacuum cleaner to remove any impurities and clean the bottom area
• **CONDENSER MUST BE CLEANED EVERY MONTH**, condenser plates must be cleaned from dirt and dust. For cleaning use the brush and vacuum cleaner, or blow-over by air pressure (nitrogen – conducted by professional service office), never use steel brush and other sharp tools which could damage the condenser plates.



13) Troubleshooting

Before calling a service office, check that:
a) plug is inserted in the supply socket and the main supply is working
b) showcase is not in defrost mode (pilot-light of defrost would be lighting on control unit)
c) showcase is correctly positioned - see section 9. Showcase location
d) condenser is not clogged with dust or other impurities
e) the goods are placed in the showcase correctly – see section 11. Correct location of the goods
f) the airflow in the showcase not disrupted
If the above conditions are fulfilled and showcase still does not work, disconnect the cabinet from the power outlet and call the service office.
Check the operating noise of the showcase and clean the condenser and evaporator regularly.
Also check that the air inlet and outlet are not clogged or dirty, which could obstruct the air circulation.

14) Interruption in mains supply

Showcase turns on automatically after a power failure. During a power failure it may occur that the condensate from the evaporator drains.

15) Service and spare parts

Product specification is written on the label at the back of the case. Only authorized persons for the repair of refrigeration devices may carry out the service, installation, setup of the electronic control unit and change the faulty parts.
We recommend to use only the original spare parts supplied by our company.

16) Disposal at end of service life

After the expiration of the showcase life-time, the showcase must be disposed in accordance with local regulations of the environment protection and waste management. Seek an expert advice when disposing of substances that are harmful to environment and when utilizing recyclable materials.

17) Accessories

For further information, please contact your dealer.

Note: The manufacturer reserves the right to change!

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